



SEQUENCE LISTING

(1) GENERAL INFORMATION:

(2) APPLICANT:Wayner, E.A.

(3) TITLE OF INVENTION:INHIBITION OF LYMPHOCYTE ADHERENCE TO
VASCULAR ENDOTHELIUM

(4) NUMBER OF SEQUENCES: 12

(5) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE:Christensen, O'Connor, Johnson and Kindness
- (B) STREET:2800 Pacific First Center, 1420 Fifth Avenue
- (C) CITY:Seattle
- (D) STATE:Washington
- (E) COUNTRY:USA
- (F) ZIP:98101-2347

(6) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE:Diskette-5.25 inch, 1.2Mb storage
- (B) COMPUTER:IBM PC/386 Compatible
- (C) OPERATING SYSTEM:MS-DOS 4.01
- (D) SOFTWARE:Word for Windows-t

(7) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER:07/814,873
- (B) FILING DATE:December 24, 1991

(8) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER:07/402,389
- (B) FILING DATE:September 1, 1989

(9) ATTORNEY/AGENT INFORMATION:

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- (B) REGISTRATION NUMBER:34,446
- (C) REFERENCE/DOCKET NUMBER:CYTE-1-6162

(10) TELECOMMUNICATION INFORMATION

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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH:46 amino acids
- (B) TYPE:amino acid
- (D) TOPOLOGY:linear

(ii) MOLECULE TYPE:polypeptide

- (A) DESCRIPTION: fibronectin IIICS domain; Fig. 9A; DELPQ

LVTLPLHPNLH GPEIL DVPST VQKTP FVTHP GYDTG NGIQL P

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn Leu His

5

10

15

Gly Pro Glu Ile Leu Asp Val Pro Ser Thr Val Gln Lys Thr Pro

20

25

30

Phe Val Thr His Pro Gly Tyr Asp Thr Gly Asn Gly Ile Gln Leu

35

40

45

Pro

46

(3) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH:25 amino acids
- (B) TYPE:amino acid
- (D) TOPOLOGY:linear

(ii) MOLECULE TYPE: polypeptide
(A) DESCRIPTION: CS-1 domain; Fig. 9A; DELPQ LVTLPL HPNLH GPEIL
DVPST

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:2:
Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn Leu His
5 10 15

Gly Pro Glu Ile Leu Asp Val Pro Ser Thr
20 25

(3) INFORMATION FOR SEQ ID NO:3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 25 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: polypeptide
(A) DESCRIPTION: CS-2 domain; Fig. 9A; VPSTV QKTPF VTHPG YDTGN
GIQLP

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:3:
Val Pro Ser Thr Val Gln Lys Thr Pro Phe Val Thr His Pro Gly
5 10 15

Tyr Asp Thr Gly Asn Gln Ile Gln Leu Pro
20 25

(3) INFORMATION FOR SEQ ID NO:4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 13 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: A13; Fig. 9B; DELPQ LVTLPL HPN

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:4:
Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn
5 10

(3) INFORMATION FOR SEQ ID NO:5:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: B12; Fig. 9B; LHGPE ILDVP ST

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:5:
Leu His Gly Pro Glu Ile Leu Asp Val Pro Ser Thr
5 10

(3) INFORMATION FOR SEQ ID NO:6:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 10 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: GPEIL DVPST

(ix) SEQUENCE DESCRIPTION: SEQ ID NO:6:
Gly Pro Glu Ile Leu Asp Val Pro Ser Thr
5 10

(3) INFORMATION FOR SEQ ID NO:7:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 8 amino acids

(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: EILDV PST
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Glu Ile Leu Asp Val Pro Ser Thr
5

(3) INFORMATION FOR SEQ ID NO:8:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: LDV PST
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Leu Asp Val Pro Ser Thr
5

(3) INFORMATION FOR SEQ ID NO:9:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 4 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: VPST
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Val Pro Ser Thr
4

(3) INFORMATION FOR SEQ ID NO:10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 5 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: EILDV
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Glu Ile Leu Asp Val
5

(3) INFORMATION FOR SEQ ID NO:11
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 3 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: LDV
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Leu Asp Val
3

(3) INFORMATION FOR SEQ ID NO:12
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 4 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(A) DESCRIPTION: RGDS (control)

Cl
(ix) SEQUENCE DESCRIPTION: SEQ ID NO:12
Arg Gly Asp Ser
4